



# Chemistry Analyzer EXC420

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An automated floor stand chemistry analyzer



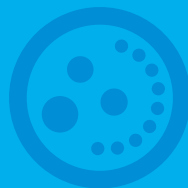
Chemistry



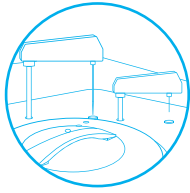
## Chemistry Analyzer EXC420

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EXC420 is a floor stand automated chemistry analyzer combines versatile advanced functions that facilitate high quality testing, improve turnaround time and cut operating costs. Around 100 original chemistry reagents are now available to meet your different demands. Thus, working with our comprehensive reagent, EXC420 is an ideal solution for mid volume chemistry analysis.

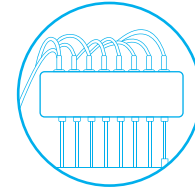


# Function



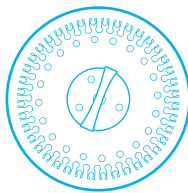
## High Efficiency

- No compromised throughput, constant 400 T/H
- Random access, support priority STAT sampling
- Bilateral LIS allows convenient results transfer
- Results can be printed automatically when sample test finishes



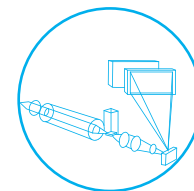
## Less Maintenance

- Permanent quartz cuvette for long-time use
- Solid heating and automatic cleaning, maintenance-free
- Daily maintenance guide for probe, mixer, wash station, etc.
- Wavelengths separation by diffraction grating, no deterioration of filters.



## Economic Usage

- 90  $\mu$ L minimum reaction volume, save reagent
- Water consumption:  $\leq$  20 L
- Flexible water supply mode, no need for special water supply machine
- Long-life lamp, up to 2,000 working hours



## Reliable Quality

- Advanced grating for absorbance reading
- 24-hour non-stop cooling to keep reagent in good condition
- Advanced post spectrophotometry optical system, 12 wavelengths, 340-800nm
- High pressure wash probe both inside and outside with low carry-over

# Assay Menu

Zybio is well known as a professional clinical chemistry reagent manufacturer, whose chemistry menu range ranks the top 5 in China. With around 100 chemistry reagents, our assay menu covers hepatic, renal, lipids, diabetes, electrolyte, specific proteins and etc. and matches with calibrators of metrological traceability as well as controls for EXC420.

- Ready to use
- Stable liquid
- Comprehensive menu
- Cost effective
- Bulk package available upon request

## Hepatic Panel

ALB, TP, DBIL, TBIL, AST, ALT, ALP, GGT, TBA, PA, CG, ChE, 5'-NT, m-AST, GLDH, LAP, MAO, FN, ADA, GR, AAT, HAP

## Renal Panel

UREA, UA, CREA, Cys C, RBP,  $\alpha$ 1-MG, UTRF,  $\beta$ 2-MG, NGAL, NAG, mALB

## Lipids Panel

CHOL, Apo A1, Apo B, Apo E, NEFA, TG, LDL-C, HDL-C, Lp(a)

## Cardiac & Cardiovascular Panel

ACE, LDH, LDH1, CK, CK-MB,  $\alpha$ -HBDH, MYO, cTnI, H-FABP, hs-CRP, HCY, Lp-PLA<sub>2</sub>, MPO

## Diabetes

GLU, HbA1c, GA, GSP, LAC

## Tumor

PGI, PGI<sub>2</sub>, SA, Fer

## Coagulation

D-D, FIB, FDP

## Specific Proteins

IgA, IgG, IgM, IgE, C3, C4, C1q, CSF/UTP, TRF, SOD

## Rheumatic & Rheumatoid Panel

anti-CCP, RF, ASO

## Electrolytes

Fe, Zn, CO<sub>2</sub>, Ca, P, Mg

## Inflammation

PCT, SAA, CRP

## Pancreatitis

$\alpha$ -AMY, LPS

# Specification

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## General Feature

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Throughput:	Constant 400 T/H
Methodology:	End point, Fixed-time (two point), Kinetic
Sample capacity:	100 including 5 emergency positions
Sample volume:	1.5-45ul
Sample probe:	Liquid level detection, auto-depth adjustment and collision protection
Probe cleaning:	Interior and exterior automatic probe cleaning
washing carry-over:	<0.005%

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## Reagent System

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Reagent capacity:	80 refrigerated positions
Reagent type:	Liquid, ready-to-use

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## Reaction System

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Cuvettes:	81 plastic cuvettes or quartz cuvettes (optional)
Reaction volume:	90-450 $\mu$ l
Reaction temperature:	37°C
Temperature fluctuation:	$\pm$ 0.1°C
Mixing system:	Independent mixer with two heads

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## Control & Calibration

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Control methods:	Real-time, intraday, interday control etc.
Calibration mode:	One-point, two-point, multi-point and logit-log4 P/5 P spline, line-graph method and etc.

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## Optical System

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Light source:	Halogen-tungsten lamp
Wavelength:	340-800nm, in total 12 wavelengths
Linear range:	0~4.0 Abs

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## Working Condition

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Power supply:	100~240V, 50/60Hz
Water supply:	No need for special water supply machine
Cooling way:	Constant water cooling
Water consumption:	$\leq$ 20 L
Dimension (mm):	820(L)*1250(W)*1100(H)
Weight:	200kg

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## Operation Unit

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Operation system:	Windows 10, support LIS
Host interface:	RS232, TCP/IP

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EN-C-SH-EXC420-I-20221118H

**Chemistry**